

09/537710  
STN Search Summary

=> d his

FILE 'CAPLUS' ENTERED AT 15:42:13 ON 22 SEP 2003

L1 1051 S TRIACYLGLYCEROL (S) (BIOSYNTHESIS OR SYNTHESIS)  
L2 33 S L1 AND YEAST  
L3 251 S L1 (P) PHOSPHOLIPID  
L4 154 S L1 (S) PHOSPHOLIPID  
L5 0 S L4 AND (LR01 OR PGAT)  
L6 15 S (LR01 OR PGAT)  
L7 552 S ?ACYLGLYCEROL (2W) (ACYLTRANSFERASE OR TRANSACYLASE)  
L8 70 S L7 AND TRIACYLGLYCEROL? AND PHOSPHOLIPID?  
L9 66 S L8 NOT L2 NOT L6  
L10 3 S L9 AND ?INDEPENDENT?  
L11 27 S L7 AND ?INDEPENDENT?  
L12 24 S L11 NOT L10

L2 ANSWER 2 OF 33 CAPLUS COPYRIGHT 2003 ACS on STN  
AN 2003:365166 CAPLUS  
TI Triacylglycerol biosynthesis in yeast  
AU Sorger, D.; Daum, G.  
SO Applied Microbiology and Biotechnology (2003), 61(4), 289-299

L2 ANSWER 3 OF 33 CAPLUS COPYRIGHT 2003 ACS on STN  
AN 2003:242473 CAPLUS  
TI Cloning and cDNA sequences of cytosolic endoplasmic reticulum-based  
glycerol-3-phosphate acyltransferase genes of Arabidopsis for use in  
transgenic plants with altered lipid metabolism  
IN Zou, Jitao; Zheng, Zhifu  
PA National Research Council of Canada, Can.  
SO PCT Int. Appl., 95 pp.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003025165	A1	20030327	WO 2002-CA1445	20020923
PRAI	US 2001-323711P	P	20010921		

L2 ANSWER 4 OF 33 CAPLUS COPYRIGHT 2003 ACS on STN  
AN 2003:173800 CAPLUS  
TI Triacylglycerol biosynthesis enzymes in the cytosol of  
eukaryotes  
IN Rajashekaran, Ram  
PA Bijam Biosciences Limited, India; Indian Institute of Science  
SO PCT Int. Appl., 59 pp.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003018814	A2	20030306	WO 2002-IN176	20020829
	WO 2003018814	A3	20030821		
	US 2003157513	A1	20030821	US 2002-230331	20020829
PRAI	US 2001-315757P	P	20010830		

L2 ANSWER 8 OF 33 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2002:555666 CAPLUS  
 TI Genes for enzymes of polyunsaturated fatty acid synthesis of *Phaeodactylum*  
 and their use in engineering seed oil composition  
 IN Lerchl, Jens; Renz, Andreas; Heinz, Ernst; Domergue, Frederic; Zaehringer,  
 Ulrich  
 PA Basf Plant Science G.m.b.H., Germany  
 SO PCT Int. Appl., 224 pp.  
 LA German

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002057465	A2	20020725	WO 2002-EP462	20020118
	WO 2002057465	A3	20030612		
	DE 10102337	A1	20020725	DE 2001-10102337	20010119
PRAI	DE 2001-10102337	A	20010119		

L2 ANSWER 10 OF 33 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2002:30889 CAPLUS  
 TI Synthesis of triacylglycerols by the acyl-coenzyme  
 A:diacyl-glycerol acyltransferase Dgalp in lipid particles of the  
 yeast *Saccharomyces cerevisiae*  
 AU Sorger, Daniel; Daum, Gunther  
 SO Journal of Bacteriology (2002), 184(2), 519-524

L2 ANSWER 11 OF 33 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2001:925244 CAPLUS  
 TI Purification and characterization of acyl-acyl carrier protein synthetase  
 from oleaginous yeast and its role in triacylglycerol  
 biosynthesis  
 AU Gangar, Akanksha; Karande, Anjali A.; Rajasekharan, Ram  
 SO Biochemical Journal (2001), 360(2), 471-479

L2 ANSWER 12 OF 33 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2001:267758 CAPLUS  
 TI Isolation and localization of a cytosolic 10 S triacylglycerol  
 biosynthetic multienzyme complex from oleaginous yeast  
 AU Gangar, Akanksha; Karande, Anjali A.; Rajasekharan, Ram  
 SO Journal of Biological Chemistry (2001), 276(13), 10290-10298

L2 ANSWER 13 OF 33 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2001:145904 CAPLUS  
 TI An acyl-CoA: cholesterol acyltransferase (ACAT)-related gene is involved  
 in the accumulation of triacylglycerols in *Saccharomyces cerevisiae*  
 AU Sandager, L.; Dahlqvist, A.; Banas, A.; Stahl, U.; Lenman, M.; Gustavsson,  
 M.; Stymne, S.  
 SO Biochemical Society Transactions (2000), 28(6), 700-702

L2 ANSWER 14 OF 33 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2000:725780 CAPLUS  
 TI A phospholipid:diacylglycerol acyltransferase playing a role in the biosynthesis of triacylglycerols and cloning of genes encoding them  
 IN Dahlqvist, Anders; Stahl, Ulf; Lenman, Marit; Banas, Antoni; Ronne, Hans; Stymne, Sten  
 SO PCT Int. Appl., 97 pp.  

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000060095	A2	20001012	WO 2000-EP2701	20000328
WO 2000060095	A3	20010201		
EP 1165803	A2	20020102	EP 2000-917001	20000328
BR 2000009510	A	20020423	BR 2000-9510	20000328
JP 2002541783	T2	20021210	JP 2000-609586	20000328
NO 2001004716	A	20011128	NO 2001-4716	20010928
PRAI EP 1999-106656	A	19990401		
EP 1999-111321	A	19990610		
US 2000-180687P	P	20000207		
WO 2000-EP2701	W	20000328		

  
 L2 ANSWER 20 OF 33 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 1992:148150 CAPLUS  
 TI Triacylglycerol assembly  
 AU Stymne, Sten; Bafor, Maureen; Jonsson, Lisbeth; Wiberg, Eva; Stobart, Keith  
 SO Plant Lipid Biochem., Struct. Util., Proc. Int. Symp. Plant Lipids, 9th (1990), 191-7. Editor(s): Quinn, Peter J.; Harwood, John L. Publisher: Portland Press, London, UK.  
 DT Conference; General Review  
  
 L2 ANSWER 21 OF 33 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 1991:139537 CAPLUS  
 TI Triacylglycerol synthesis in the oleaginous yeast *Candida curvata* D  
 AU Holdsworth, Jane E.; Ratledge, Colin  
 SO Lipids (1991), 26(2), 111-18  
  
 L2 ANSWER 22 OF 33 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 1990:587818 CAPLUS  
 TI Subcellular organization of triacylglycerol biosynthesis in yeasts  
 AU Belov, A. P.; Zinchenko, G. A.  
 SO Biokhimiya (Moscow) (1990), 55(8), 1513-18  
 LA Russian  
  
 L2 ANSWER 23 OF 33 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 1990:232361 CAPLUS  
 TI Biosynthesis of acylglycerols in yeast nuclei  
 AU Belov, A. P.; Zinchenko, G. A.  
 SO Mikrobiologiya (1990), 59(2), 357-9  
 LA Russian

L2 ANSWER 28 OF 33 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 1980:403619 CAPLUS  
 TI Triacylglycerols as fatty acid donors for membrane phospholipid biosynthesis in yeast  
 AU Daum, Guenther; Paltauf, Friedrich  
 SO Monatshefte fuer Chemie (1980), 111(2), 355-63  
 LA English

L2 ANSWER 30 OF 33 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 1979:588621 CAPLUS  
 TI Utilization of endogenous diacylglycerol for the synthesis of triacylglycerol, phosphatidylcholine and phosphatidylethanolamine by lipid particles from bakers' yeast (*Saccharomyces cerevisiae*)  
 AU Christiansen, Kirsten  
 SO Biochimica et Biophysica Acta (1979), 574(3), 448-60

L2 ANSWER 32 OF 33 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 1978:542205 CAPLUS  
 TI Triacylglycerol synthesis in lipid particles from bakers' yeast (*Saccharomyces cerevisiae*)  
 AU Christiansen, Kirsten  
 SO Biochimica et Biophysica Acta (1978), 530(1), 78-90

L10 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2001:145905 CAPLUS  
 TI The involvement of phospholipid:diacylglycerol acyltransferases in triacylglycerol production  
 AU Banas, A.; Dahlqvist, A.; Stahl, U.; Lenman, M.; Stymne, S.  
 SO Biochemical Society Transactions (2000), 28(6), 703-705

L10 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2000:412047 CAPLUS  
 TI Phospholipid:diacylglycerol acyltransferase: an enzyme that catalyzes the acyl-CoA-independent formation of triacylglycerol in yeast and plants  
 AU Dahlqvist, Anders; Stahl, Ulf; Lenman, Marit; Banas, Antoni; Lee, Michael; Sandager, Line; Ronne, Hans; Stymne, Sten  
 SO Proceedings of the National Academy of Sciences of the United States of America (2000), 97(12), 6487-6492

L12 ANSWER 9 OF 24 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2000:725780 CAPLUS  
 TI A phospholipid:diacylglycerol acyltransferase playing  
 a role in the biosynthesis of triacylglycerols and cloning of genes  
 encoding them  
 IN Dahlqvist, Anders; Stahl, Ulf; Lenman, Marit; Banas, Antoni; Ronne, Hans;  
 Stymne, Sten

SO PCT Int. Appl., 97 pp.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000060095	A2	20001012	WO 2000-EP2701	20000328
	WO 2000060095	A3	20010201		
	EP 1165803	A2	20020102	EP 2000-917001	20000328
	BR 2000009510	A	20020423	BR 2000-9510	20000328
	JP 2002541783	T2	20021210	JP 2000-609586	20000328
	NO 2001004716	A	20011128	NO 2001-4716	20010928
PRAI	EP 1999-106656	A	19990401		
	EP 1999-111321	A	19990610		
	US 2000-180687P	P	20000207		
	WO 2000-EP2701	W	20000328		

L12 ANSWER 15 OF 24 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 1993:466216 CAPLUS  
 TI Triacylglycerol synthesis by an sn-1,2(2,3)-diacylglycerol  
 transacylase from rat intestinal microsomes  
 AU Lehner, Richard; Kuksis, Arnis  
 SO Journal of Biological Chemistry (1993), 268(12), 8781-6

## WEST Search History

DATE: Monday, September 22, 2003

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
side by side			result set
<i>DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=OR</i>			
L8	L7 same (yeast or cerevisi\$)	32	L8
L7	triacylglycerol	1245	L7
L6	L5 same phospholipid	8	L6
L5	L4 same triacylglycerol	74	L5
L4	\$iacylglycerol with (acyltransferase or transacylase)	134	L4
L3	L1	51	L3
<i>DB=USPT; PLUR=YES; OP=OR</i>			
L2	L1 with phospholipid	2	L2
L1	diacylglycerol adj2 (acyltransferase or transacylase)	51	L1

END OF SEARCH HISTORY